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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Agere Systems Guardian Corp.

Application No./Patent No.: 09/390,389 Filed/Issue Date: September 3, 1999

Entitled: Multiplier-Free Methods and Apparatus for Signal Processing in a Digital Communication System

Agere Systems Guardian Corp., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Inventor(s) To: Lucent Technologies Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 010362, Frame 0870, or for which a copy thereof is attached.
2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.  
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 28, 2002  
Date

Joseph B. Ryan, Reg. No. 37,922

Typed or printed name

Signature

Attorney for Applicant(s)

Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**PATENT ASSIGNMENT**

**by and between**

**LUCENT TECHNOLOGIES INC.**

**and**

**AGERE SYSTEMS GUARDIAN CORP.**

**Dated as of January 30, 2001**

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## **PATENT ASSIGNMENT**

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

### **RECITALS**

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).


ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

**LUCENT TECHNOLOGIES INC.**

By:   
Daniel P. McCurdy  
President, Intellectual Property Business

**AGERE SYSTEMS GUARDIAN CORP.**

By:   
Fred M. Romano  
President

ACKNOWLEDGMENTS

STATE OF NEW JERSEY )

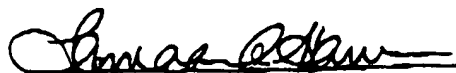
: ss:

COUNTY OF SOMERSET )

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and

b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name **TAMORA ANNE HANNA**  
 Notary Public Notary Public of New Jersey  
 My Commission Expires **Registered in Hunterdon County**  
 [Notarial Seal] My Commission Expires March 25, 2002

STATE OF FLORIDA )

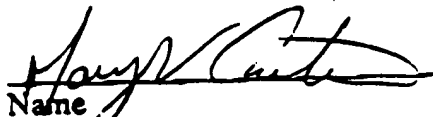
: ss:

COUNTY OF ORANGE )

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp. ; and

b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name  
 Notary Public  
 My Commission Expires:  
 [Notarial Seal]



APPENDIX B (continued)  
Transferred Patents

Case Name	Filing Date	Issue Date	Patent No.	Serial No.
Loffi 20-35	10/6/1999			09/413605
Loffi 22-2	11/23/1999			09/448856
Lothian 8-24-2	11/17/1997		08/971427	
Lou 11-5-26	2/16/1999			09/250743
Lou 13-13	9/3/1999			09/390389
Lou 14-6	9/3/1999			09/390386
Lou 4-23	7/22/1997		08/898441	
Lou 6-3-21	12/2/1998			09/203663
Lou 8-7-23	7/15/1999			09/353669
Lou 9-24	8/11/1999			09/372706
Low 5	11/5/1999			09/434076
Lui 1-7-2-1	12/23/1997		08/996594	
Lui 2-8-1	7/24/1997	6/6/2000	6072839	
Lui 3-1-9	9/24/1997	7/25/2000	08/936316	6094739
Lukoff 1	5/27/1999			09/321002
Lum 1-8-1	9/19/1994	10/31/1995	D383721	
Luo 1-3	9/16/1998	7/18/2000	09/154276	6091627
Luo 2	9/18/1998		09/157276	
Luo 4	11/9/1998			09/188241
Luo 5	11/3/1998			09/184742
Luo 8	2/4/1999			09/244040
Luo 9-3	12/17/1999			09/466054
Luther 13-14	1/22/1999			09/235976
Lytle 15-4-18	12/3/1999			09/454909
Lytle 17-5-3-18-11-21-14	4/5/2000			09/543370
Lytle 18	9/21/2000		09/867046	
Lytle 9-8-4	12/3/1999			09/454003
Ma 10-4	12/7/1999			09/458839
Ma 12-7-5	7/28/2000		09/629707	
Ma 14-40	6/25/1997		08/881994	
Ma 15-41	9/5/1997	6/13/2000	6074933	
Ma 19-28-2-44	11/24/1997		08/977318	
Ma 20	11/20/1997		08/974987	
Ma 25-56	10/1/1998			09/184298
Ma 26-58	8/17/1999			09/334911
Ma 28-4-13	1/15/1999			09/232752
Ma 3	1/30/1998		09/016275	
Ma 31-84	6/16/1999			09/334491
Ma 3-28	4/29/1996		08/641155	
Ma 37-91	4/5/1999			60/127757
Ma 39-97	6/17/1999			09/334977
Ma 41-8	8/16/1999			09/375150
Ma 50-143	1/20/2000			09/488321
Ma 56	7/25/2000		09/625129	
Ma 57-12	8/29/2000		09/649934	
Ma 7-1	8/26/1999			09/383638
Ma 9-3	6/1/1999			09/322920
Maerkle 1-50	10/13/2000		09/687632	
Manchanda 13-12-7	7/24/1997		08/899735	
Manfra 1-17-13-4	7/29/1999			09/363527
Manfra 2-18-14-54	12/23/1999			09/472331
Marenco 1-1	7/31/1997		08/903588	
Marshall 2-4	8/19/1999			09/377096
Marszalek 1-8-77-2-23	6/5/1998		09/092380	
Martin 13-9-8	4/23/1999			09/298792
Martin 2	3/31/1998		09/052074	
Martin 3-1	11/17/1997		08/971430	
Martin 4	9/14/1998	3/21/2000	6040726	
Martin 5	12/13/1999			09/460169
Martinian 1-51	11/7/2000		09/707686	